



University of Mumbai

Department of Physics (Autonomous)

Admission for Year 2021-22 *Master of Science (MSc) in* *PHYSICS*

Two-year Full Time Course



Link for Online Application:

[https://uom-
admissions.mu.ac.in/](https://uom-admissions.mu.ac.in/)

Website:

[https://mu.ac.in/
/physics](https://mu.ac.in/physics)

Enquires:

email Id:
[admission@physics.
mu.ac.in](mailto:admission@physics.mu.ac.in)

Phone:

022-26526250

Admission Requirement: Bachelor's degree in Physics

Number of Seats: 68

Important Dates:

Online registration and
Application forms for Admission :
12th August 2021- 26th August, 2021
(up to 05:00pm)

For Merit List :

Please visit website

Course Structure:

Brochure:

<https://bit.ly/3iUwOKQ>

***No Entrance Test**



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Highlights of the Course

Variety of Elective Courses (30+) Offered

- Computational Methods in Physics
- Nuclear Structure
- Nuclear Reactions
- Experimental Techniques in Nuclear Physics
- Particle Physics
- General Theory of Relativity and Cosmology
- Computer Networking
- Materials and their applications

- Semiconductor Physics
- Fundamentals of Materials Science
- Nanoscience and Nanotechnology
- Liquid crystals
- Polymer Physics
- Properties of solids
- Crystalline and non-crystalline solids
- Surfaces and thin films

- Signal Modulation & transmission techniques
- Microwave electronics radar & optical Fibre communication
- VLSI design & embedded system
- Embedded C ARM & interfacing
- VHDL, C ++ & PYTHON Programming
- Digital Communication Systems

- Astronomy & Astrophysics
- Galactic and Extra-galactic Astronomy
- Accelerator & Beam Physics
- Plasma Physics
- Group theory
- Applied Thermodynamics
- Electronic structure of Solids
- Energy Studies

State of the Art Facilities



- ❖ Advanced Physics Lab
- ❖ Electronics Lab
- ❖ Material Science Lab
- ❖ Bio-Nano Physics Lab
- ❖ Molecular Electronics Lab
- ❖ Liquid Crystal Lab
- ❖ Nuclear Physics Lab
- ❖ Semiconductor Lab
- ❖ Thin Film Lab
- ❖ Surface Physics Lab
- ❖ Astro & Space Physics Lab
- ❖ Computer Lab
- ❖ Departmental Library





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Salient Features of the Course

- Modern ICT based learning. Complete online mode of teaching and exams enabled under lockdown.
- Access to Departmental Library, Computer lab and Internet facilities.
- National and International Seminars/Workshops throughout the year.
- Opportunity to work in reputed research institutes (TIFR, BARC, IITB, SAMEER etc.) for project work.
- Opportunity to do research (MSc project work, PhD) in core as well as interdisciplinary fields.
- Guidance for entrance exams (NET, SET, GATE etc.) by departmental faculty members :<https://bit.ly/364ld48>
- Job and career guidance post M.Sc.
- Active participation in extra curricular activities: Science day, outreach programs.
- Strong, global alumni engagement :<https://bit.ly/3x6fcjB>
- Mentoring Programme for student well-being.

Admission Rules and Regulations:

- No Entrance Test.
- Application will be accepted only through online mode by using the link <https://uom-admissions.mu.ac.in/>
- Admission will be granted based on marks obtained in T.Y.B.Sc . examination in SEM V and SEM VI.
- Students who have not received their Semester VI mark sheet can also apply. However, their admission will be provisional.
- Admission will be based on merit. The Merit list will be displayed on the website.
- The admission will be confirmed only after the verification of the documents by the department authority and payment of fee by the student.
- Reservation policy for admissions will be adopted as per the guidelines of University of Mumbai and Govt. of Maharashtra.
- Admission of a student from other universities will be confirmed only after submission of relevant documents.
- Admission related details are available in the Brochure <https://bit.ly/3iUwOKQ>